

Artemis Human Landing System (HLS) Overview

to Small Business Alliance Meeting

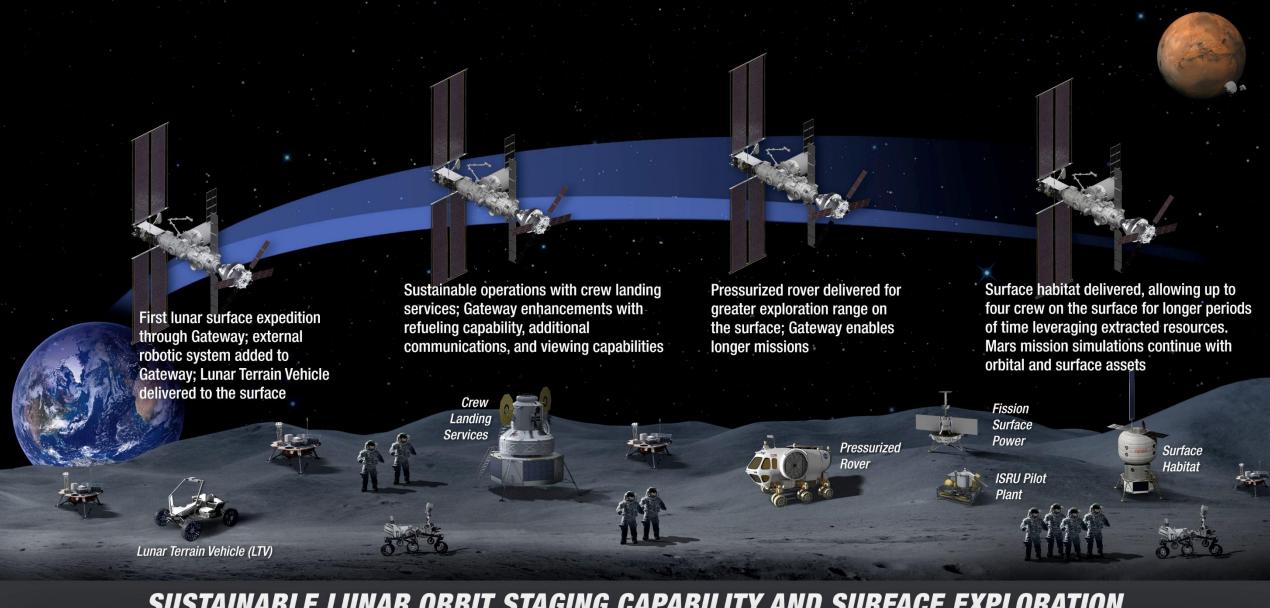
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NextSTEP-2 Broad Agency Announcement Current Activities Appendix H Base Period (completed) • 10-month Period of Performance for 3 **Providers** Architecture definition, approved standards Option A Single award to SpaceX for initial capabilities Uncrewed Flight Test Crewed Flight Test (Artemis III) Appendix N

Awards to 5 Providers

 Concept Development and Risk Reduction Activities



SUSTAINABLE LUNAR ORBIT STAGING CAPABILITY AND SURFACE EXPLORATION

MULTIPLE SCIENCE AND CARGO PAYLOADS I U.S. GOVERNMENT, INDUSTRY, AND INTERNATIONAL PARTNERSHIP OPPORTUNITIES I TECHNOLOGY AND OPERATIONS DEMONSTRATIONS FOR MARS

Consistent HLS Strategy; Updated Procurement Approach

- HLS strategy always included two "phases" of procurements
 - A "Phase I" contract was planned as an initial lunar lander capability (BAA, Appendix H) to validate NASA's plans for establishing long-term human presence on the Moon under the Artemis Campaign
 - Firm fixed-price contract
 - Uncrewed and crewed flight tests
 - A "Phase II" contract, was always planned to establish Sustaining Lunar Transport Services
 - Firm fixed-price contract
 - Multiple flights that meet Sustaining requirements (e.g. 4 crew, 30+days, increased mass)
- Updated Procurement Approach for "Phase II"
 - Separate the sustaining lunar lander capability development efforts from the regularly occurring lunar landing transportation services
 - Proceed with a second procurement (BAA, Appendix P) for "Sustaining Lander Development" excluding SpaceX
 - Execute BAA, Appendix H Option B with SpaceX
 - Ensure equivalent scope between the two procurements
 - Initiate acquisition planning for a Sustaining Lunar Transport services competition

HLS Sustaining Strategy: Continues the Best of NASA & Industry

HLS leverages the speed, operational models, and privately-funded development efforts while applying NASA expertise to ensure safety and mission success.

- Milestones and Deliverables tied to hardware-based activity
- Functional Requirements remain lean and Standards adjudication approach consistent with previous solicitation
- Continued use of NASA special clauses to maximize insight and allow NASA data rights
- Insight approach maintains NASA's responsibility for certifying the system(s) and continues codified use of NASA expertise and resources

